

FIG. 1

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FIG. 2

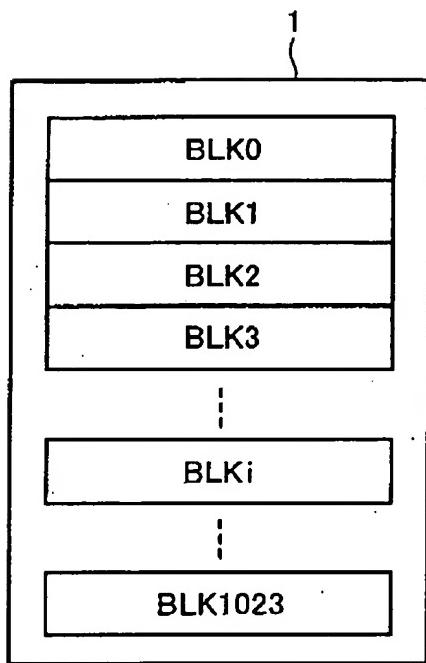
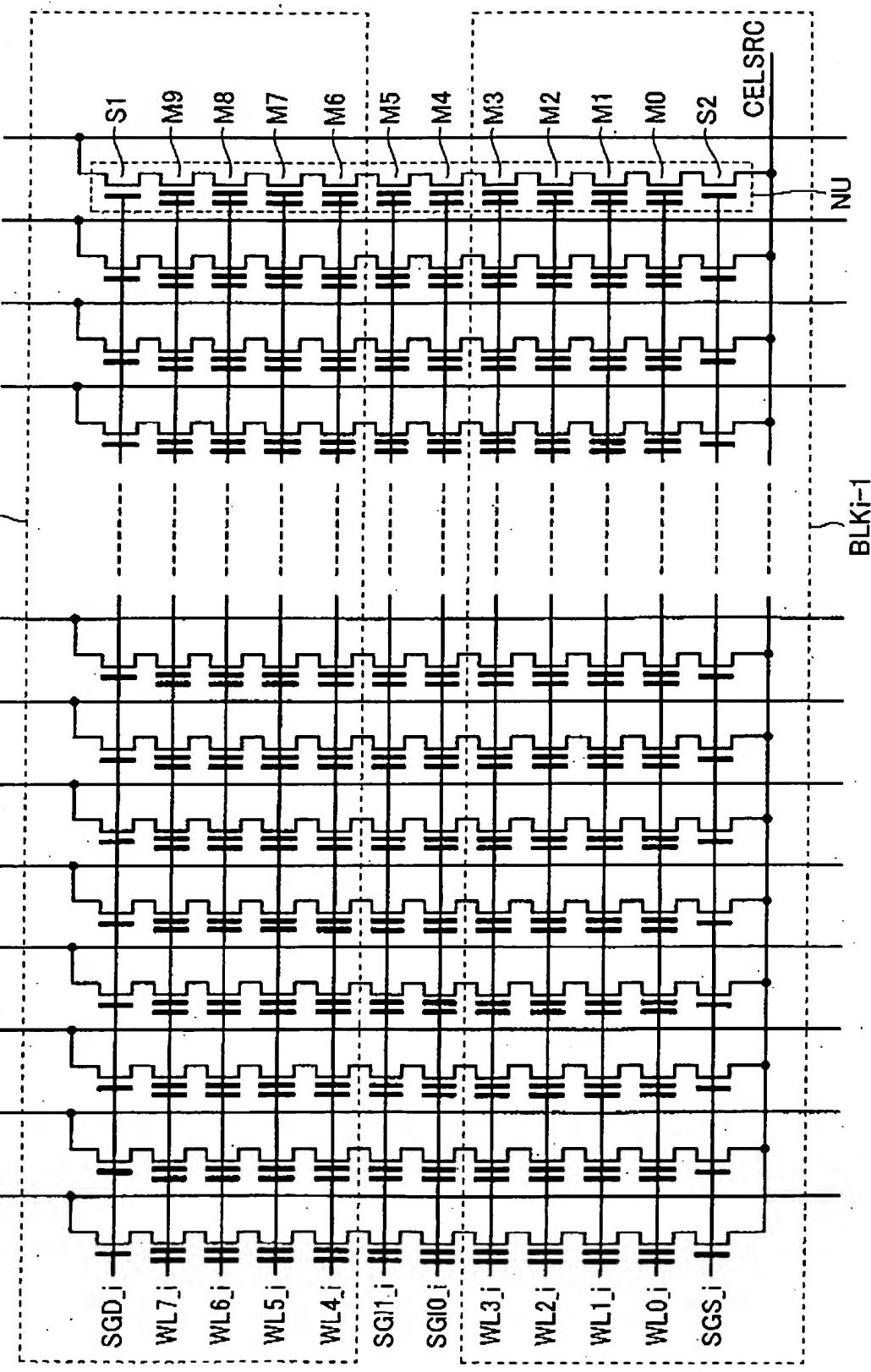
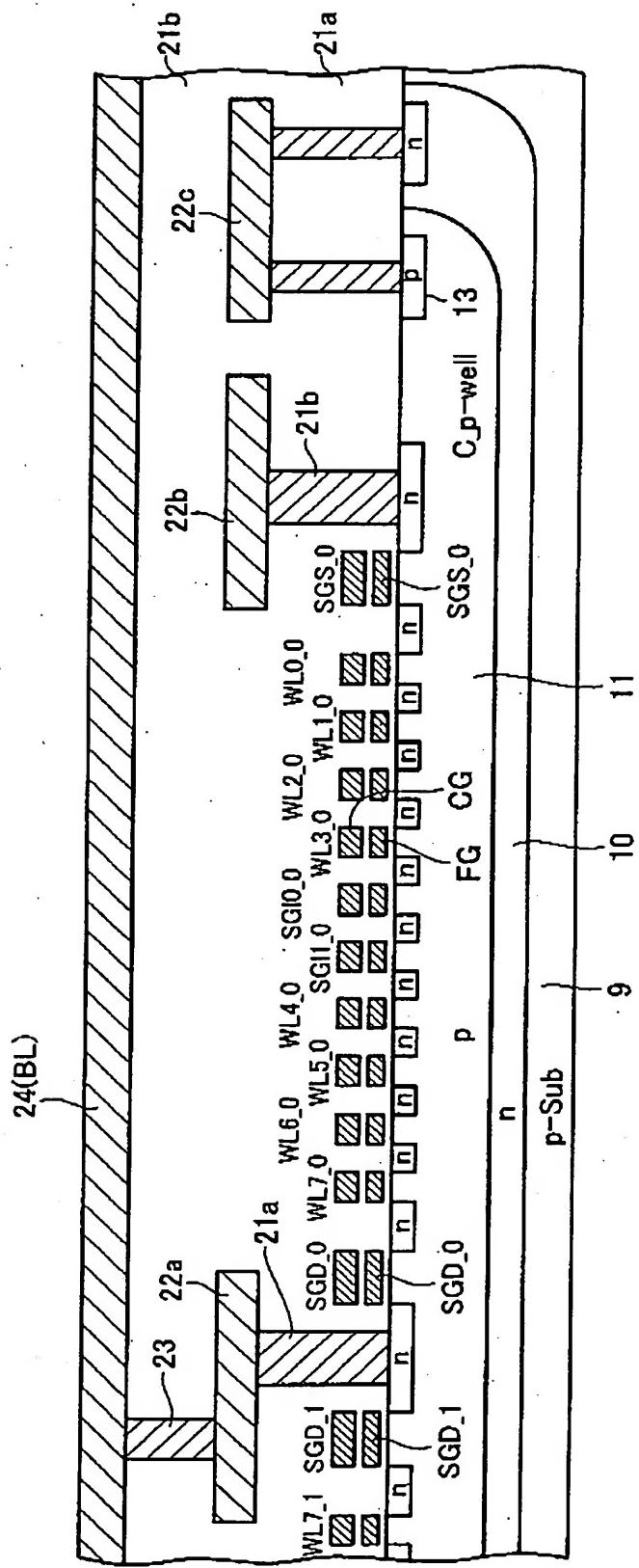


FIG. 3 BL_e0 BL_e0 BL_e1 BL_e1 BL_e2 BL_e2 BL_e3 BL_e3 BLK_i



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FIG. 4



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FIG. 5

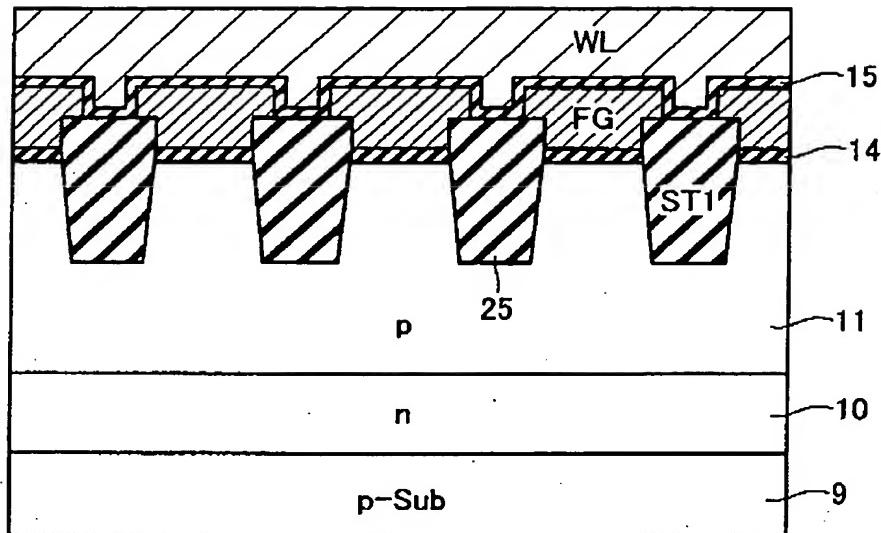
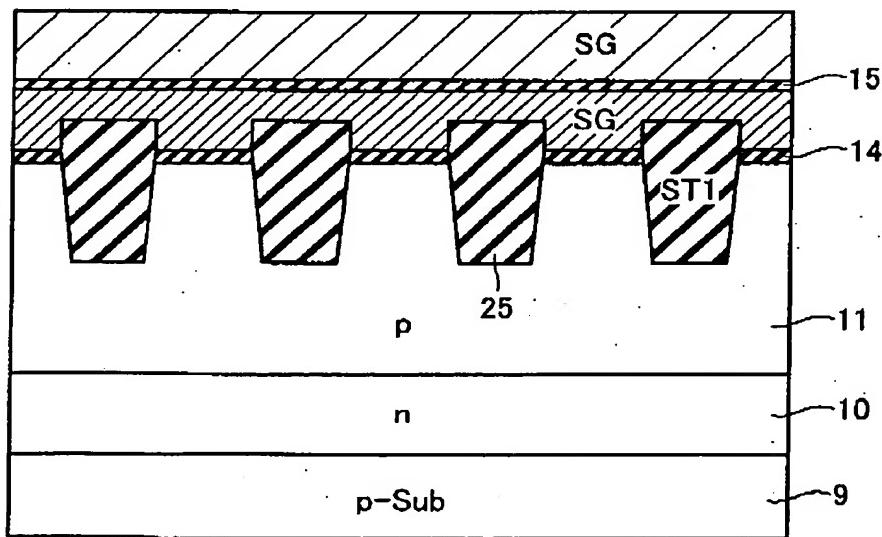


FIG. 6



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FIG. 7

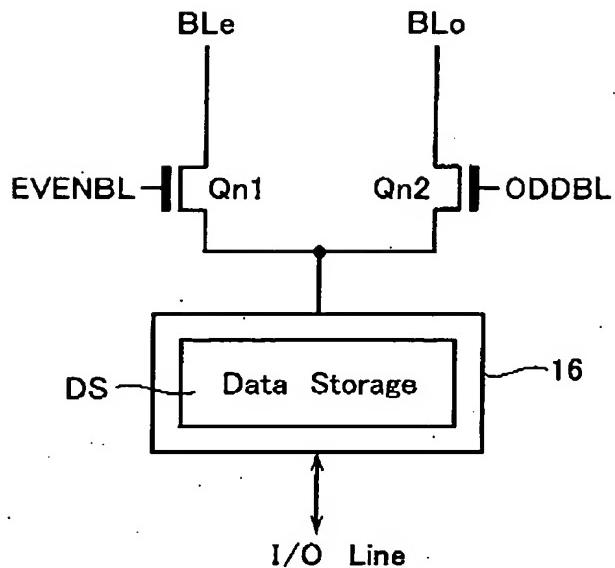


FIG. 8

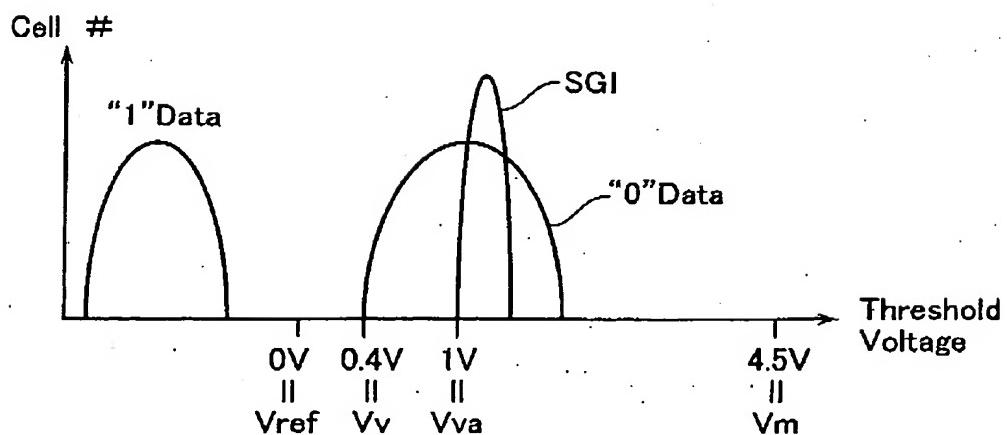


FIG. 9

	Erase	"0" Write	"1" Write	Read	Write-Verify
BL _e	Floating	0V	Vdd	H or L	H or L
BL ₀	Floating	Vdd	Vdd	0V	0V
SGD	Floating	Vdd	Vdd	4.5V	4.5V
WL ₇	Floating	4.5V	4.5V	4.5V	4.5V
WL ₆	Floating	4.5V	4.5V	4.5V	4.5V
WL ₅	Floating	4.5V	4.5V	4.5V	4.5V
WL ₄	Floating	4.5V	4.5V	4.5V	4.5V
SGI ₁	Floating	Vdd	Vdd	4.5V	4.5V
SGI ₀	Floating	Vdd	Vdd	4.5V	4.5V
WL ₃	0V	10V	10V	4.5V	4.5V
WL ₂	0V	10V	10V	4.5V	4.5V
WL ₁	0V	V _{pgm}	V _{pgm}	0V	0.4V
WL ₀	0V	10V	10V	4.5V	4.5V
SGS	Floating	0V	0V	4.5V	4.5V
CELSRC	Floating	0V	0V	0V	0V
C-p-well	20V	0V	0V	0V	0V

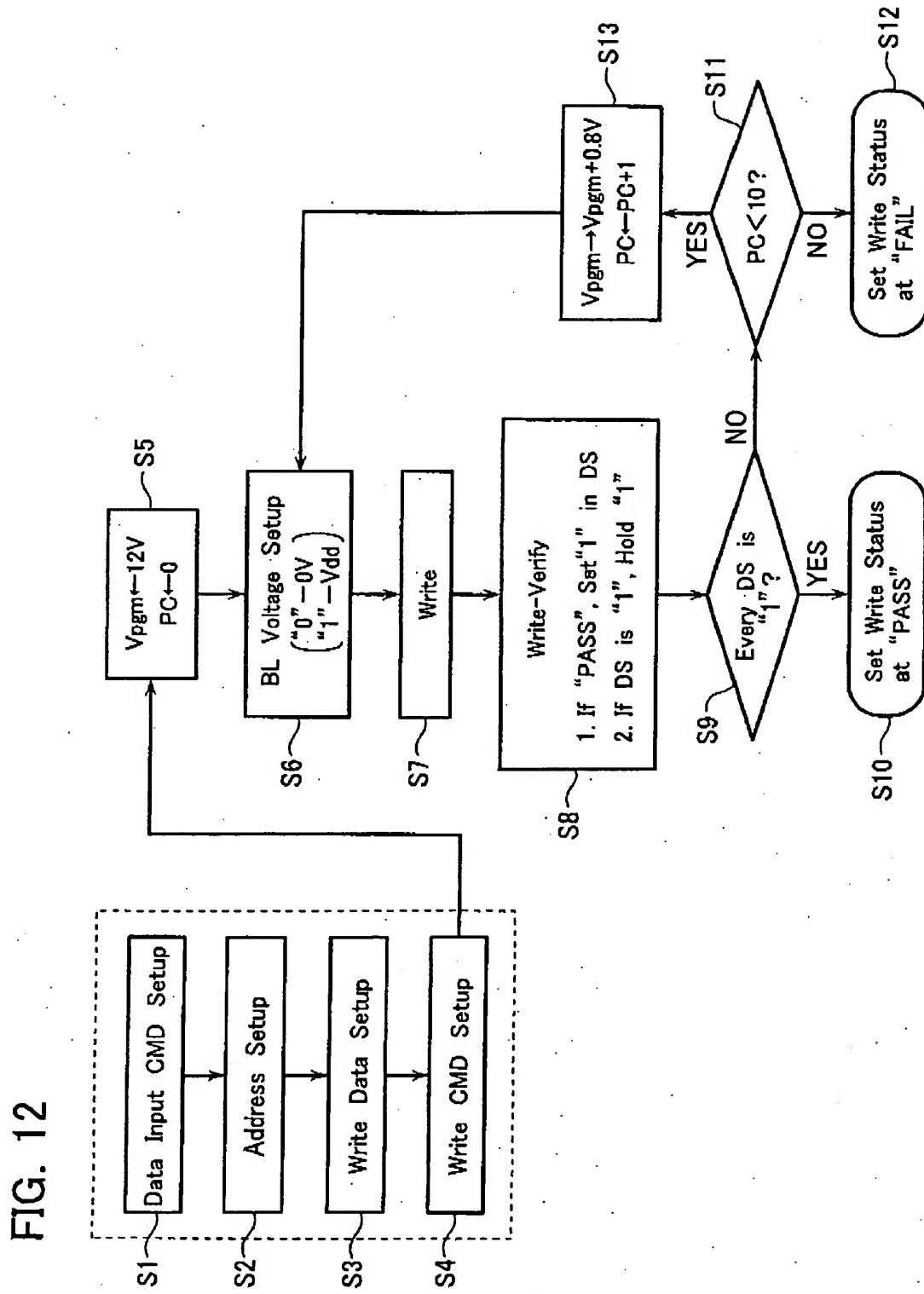
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FIG. 10

	Erase	"0" Write	"1" Write	Read	Write-Verify
BL _e	Floating	0V	Vdd	H or L	H or L
BL ₀	Floating	Vdd	Vdd	0V	0V
SGD	Floating	Vdd	Vdd	4.5V	4.5V
WL ₇	0V	10V	10V	4.5V	4.5V
WL ₆	0V	10V	10V	4.5V	4.5V
WL ₅	0V	Vpgm	Vpgm	0V	0.4V
WL ₄	0V	10V	10V	4.5V	4.5V
SGI ₁	Floating	0V	0V	4.5V	4.5V
SGI ₀	Floating	0V	0V	4.5V	4.5V
WL ₃	Floating	4.5V	4.5V	4.5V	4.5V
WL ₂	Floating	4.5V	4.5V	4.5V	4.5V
WL ₁	Floating	4.5V	4.5V	4.5V	4.5V
WL ₀	Floating	4.5V	4.5V	4.5V	4.5V
SGS	Floating	0V	0V	4.5V	4.5V
CELSRC	Floating	0V	0V	0V	0V
C-p-well	20V	0V	0V	0V	0V

FIG. 11

	Erase	"0" Write	"1" Write	Read	Write-Verify
BL ₀	Floating	0V	Vdd	H or L	H or L
BL ₀	Floating	Vdd	Vdd	0V	0V
SGD	Floating	Vdd	Vdd	4.5V	4.5V
WL ₇	Floating	10V	10V	4.5V	4.5V
WL ₆	Floating	10V	10V	4.5V	4.5V
WL ₅	Floating	10V	10V	4.5V	4.5V
WL ₄	Floating	10V	10V	4.5V	4.5V
SGI ₁	0V	Vpgm	Vpgm	0V	0.4V
SGI ₀	0V	10V	10V	4.5V	4.5V
WL ₃	Floating	10V	10V	4.5V	4.5V
WL ₂	Floating	10V	10V	4.5V	4.5V
WL ₁	Floating	10V	10V	4.5V	4.5V
WL ₀	Floating	10V	10V	4.5V	4.5V
SGS	Floating	0V	0V	4.5V	4.5V
CELSRC	Floating	0V	0V	0V	0V
C-p-well	20V	0V	0V	0V	0V



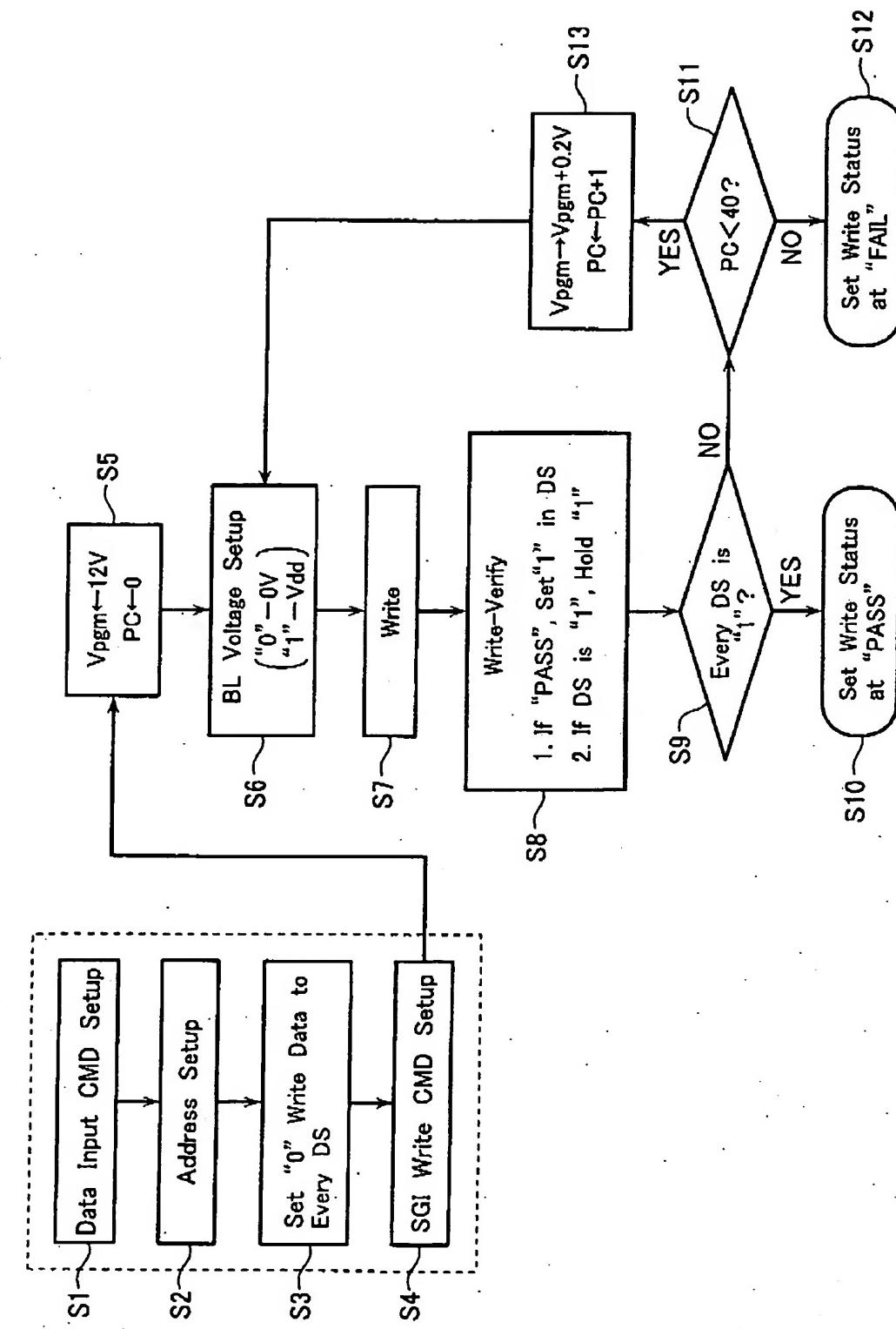


FIG. 14

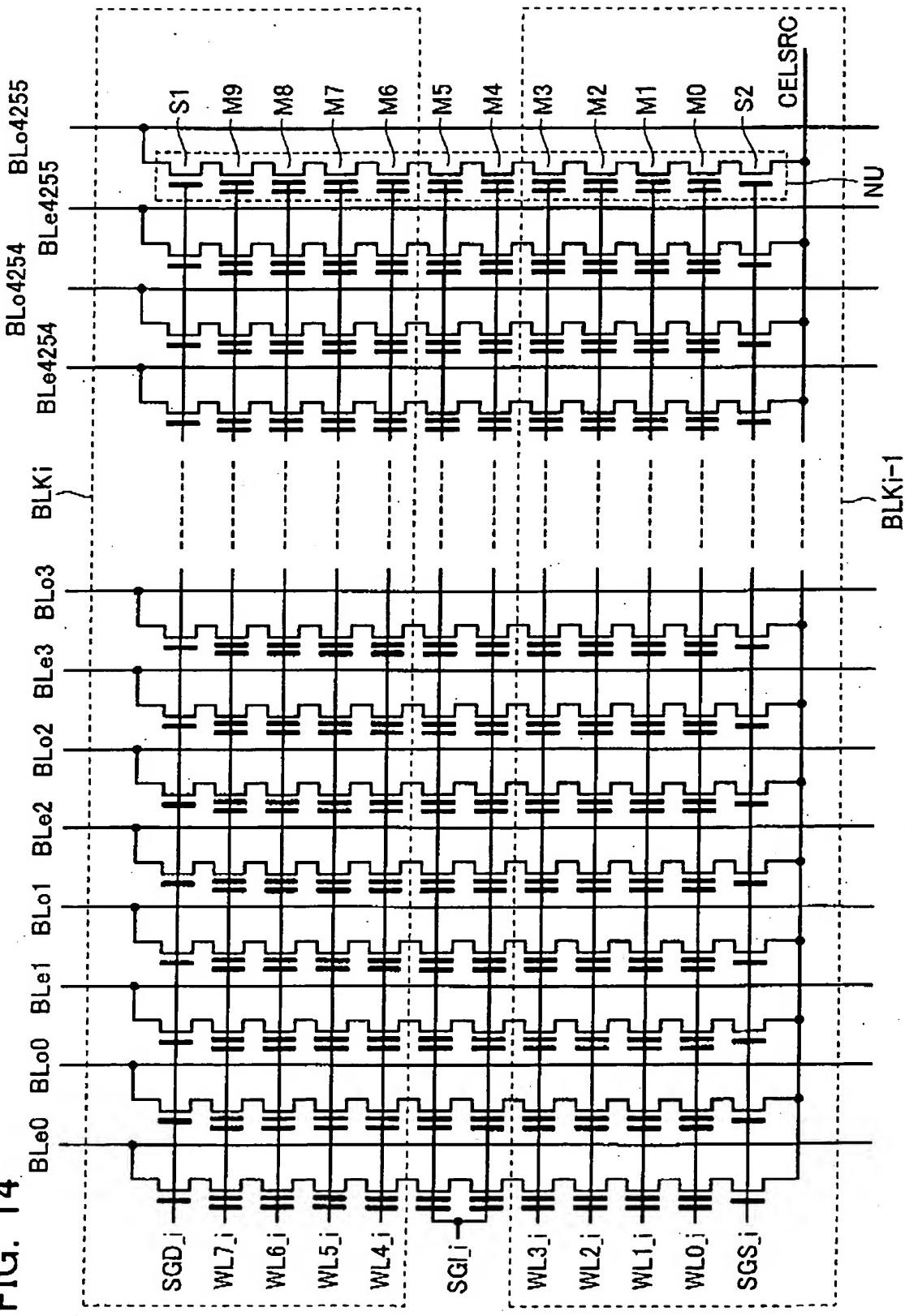


FIG. 15

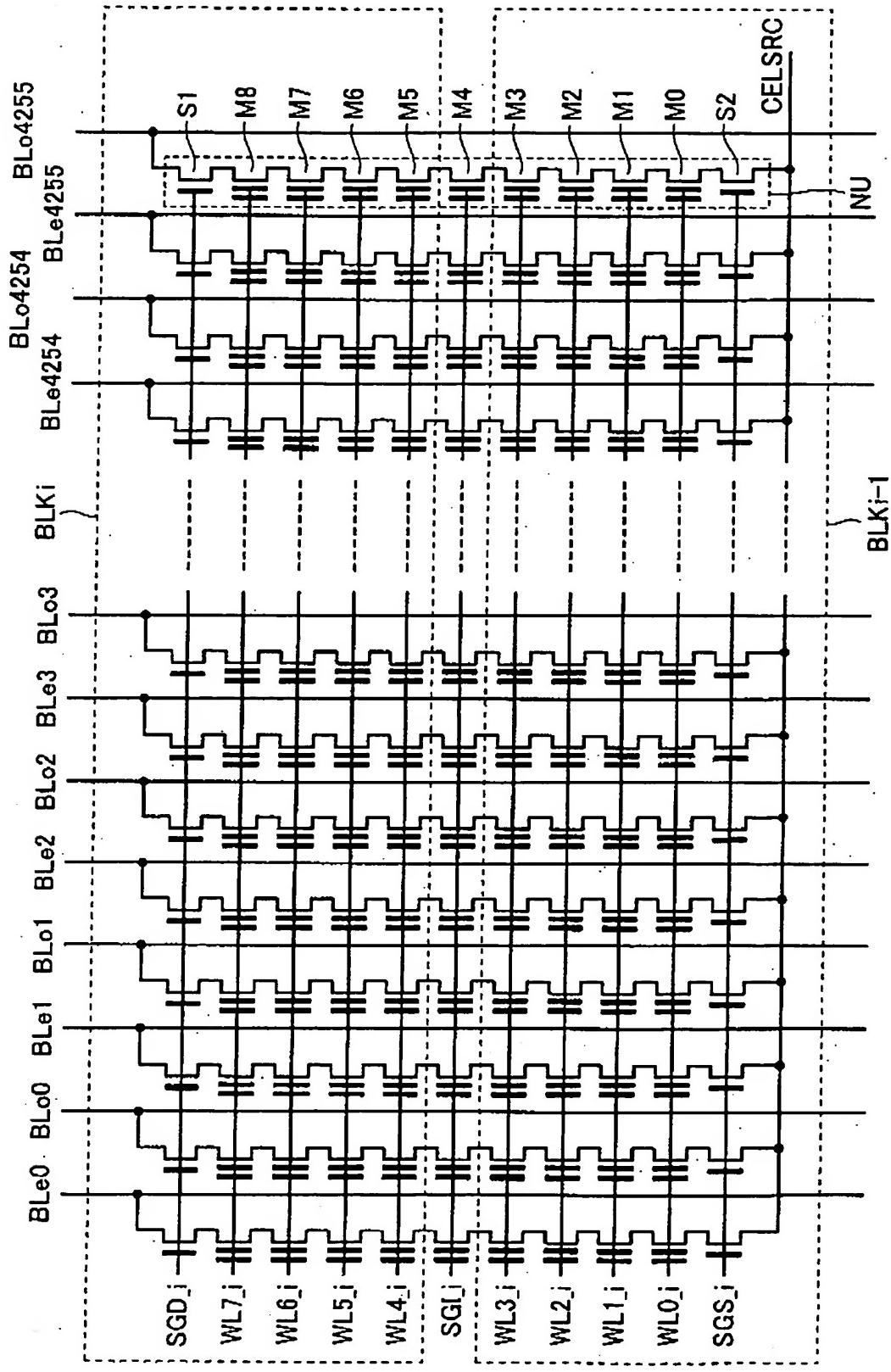
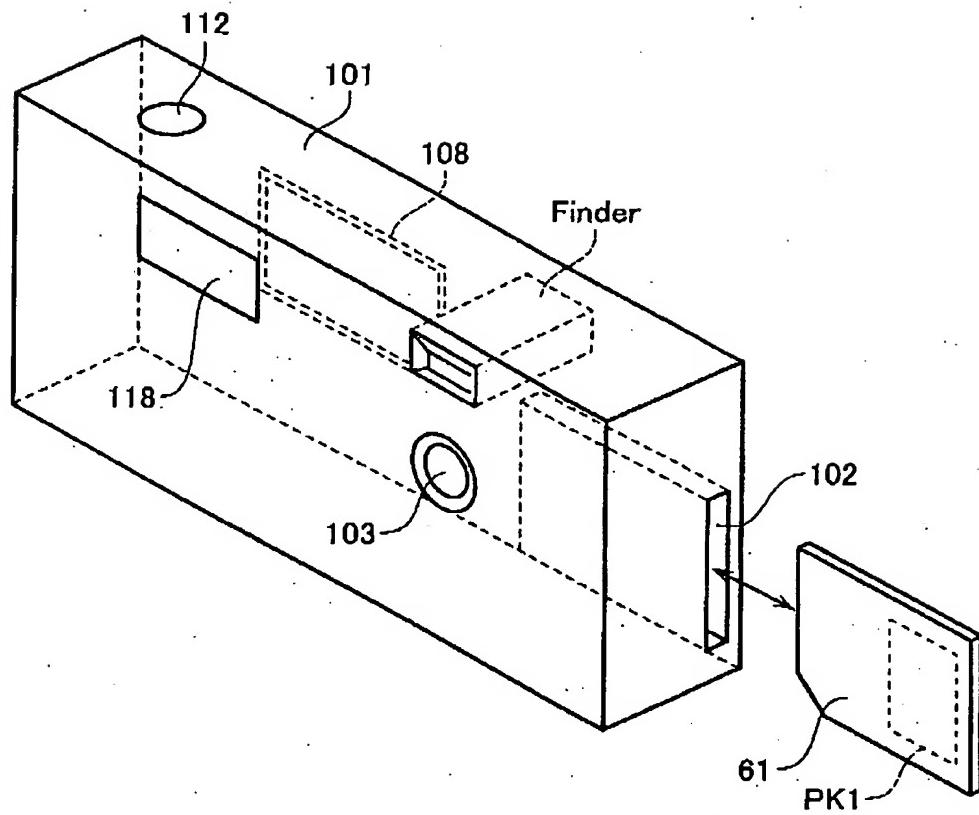
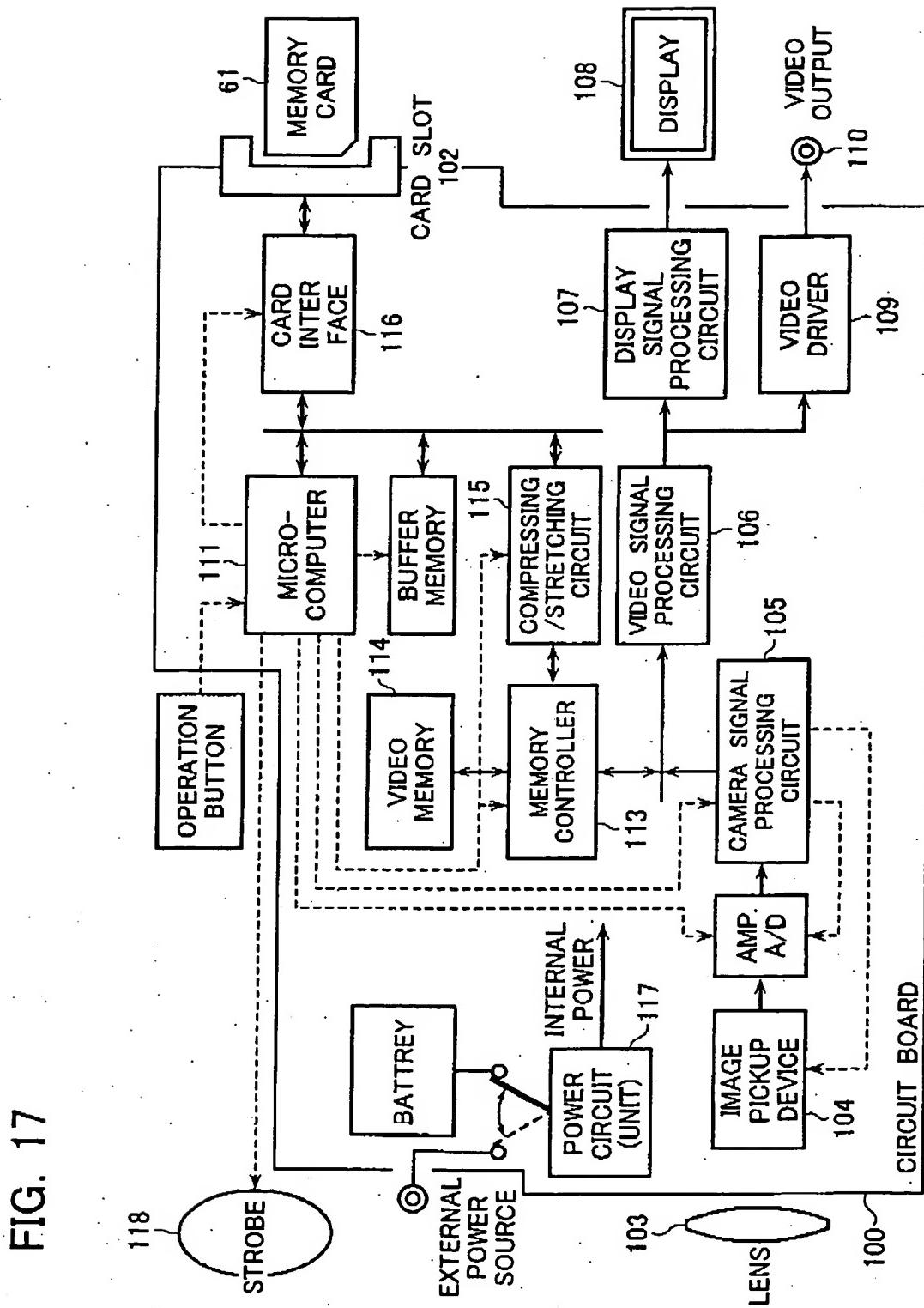


FIG. 16





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FIG. 18A

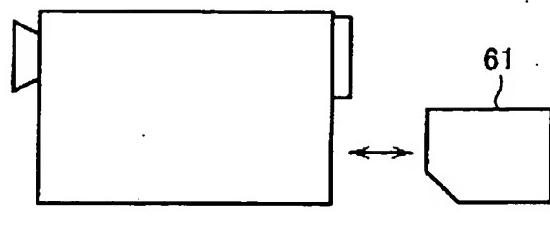


FIG. 18F

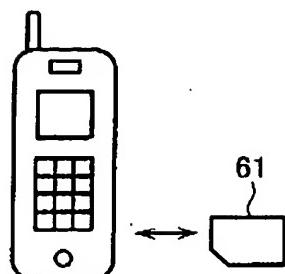


FIG. 18B

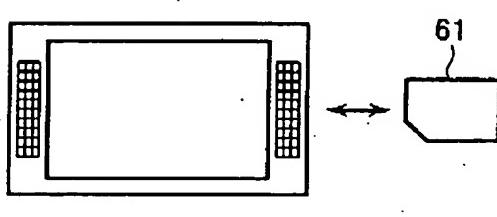


FIG. 18G

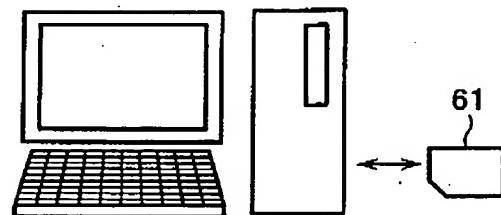


FIG. 18C

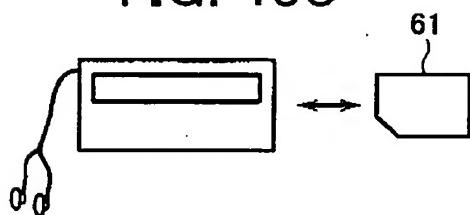


FIG. 18H

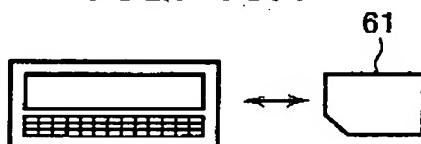


FIG. 18D

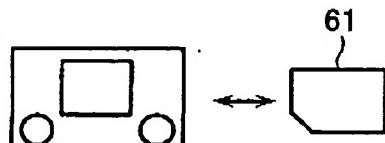


FIG. 18I

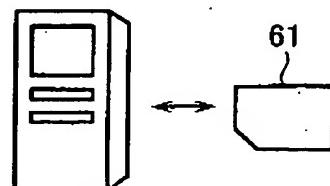


FIG. 18E

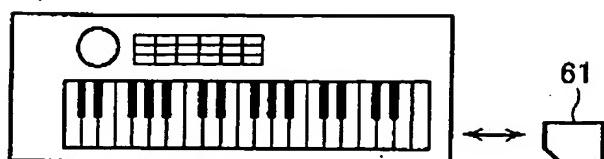


FIG. 18J

